Name Of Client	BRUHAT BENGALURU MAHANAGARA PALIKE
Name of Work	Construction of RO Plant in ward no 12, Shettyhalli Sub Division
Work Order No	EE/DD/WO/47/2020-21 dt 24.06.2020
Name Of Contractor	Sri Govind G
Job Code No	012-19-000015

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
1	Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.						Executed 15/11/21
	For RO Plant						
	Below GroundLevel						
	Long Wall	2	4.50	1.00	1.05	9.45	
	Short Wall	2	3.50	1.00	1.05	7.35	
	For Column Footing	4	1.40	1.40	1.20	9.41	
					Present Qty	**26.21**	**Cum**
					Limited to Qty	**25.28**	**Cum**
2	Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification						Executed 18/11/21
	For RO Plant						
	Below GroundLevel						
	Long Wall	2	4.50	0.75	0.15	1.01	
	Short Wall	2	3.40	0.75	0.15	0.77	
	For Column Footing	4	1.20	1.20	0.15	0.86	
	For Flooring	1	4.30	2.80	0.15	1.81	
					Present Qty	**4.45**	**Cum**
					Limited to Qty	**4.45**	**Cum**
3	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc, complete as specifications and as per the direction of Engineer-in-charge of the work.						Executed 23/11/21
	For Ro Plant						
	Below GroundLevel						
	Long Wall	2	4.50	0.60	0.60	3.24	
	Short Wall	2	3.40	0.60	0.60	2.45	
	Deduction of Columns	-4	1.20	0.60	0.60	-1.73	
					Present Qty	**3.96**	**Cum**

Executed

Assistant Engineer
Ward No.12

Asst. Executive Engineer,
Shettyhalli Sub Division

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
4	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications and as per the direction of Engineer-in-charge of the work.						
	For Ro Plant						
	Above the GroundLevel						
	Long Wall	2	4.50	0.45	0.45	1.82	
	Short Wall	2	3.40	0.45	0.45	1.38	
	Deduction of Columns	-4	1.20	0.45	0.45	-0.97	
					Present Qty	**2.23**	**Cum**
5	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour etc, complete as specifications and as per the direction of Engineer-in-charge of the work.						
	Consider of Item No.01					25.28	
					Present Qty	**25.28**	**Cum**
6	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing etc, complete as specifications and as per the direction of Engineer-in-charge of the work.						
	For Toilet Block						
	Long Wall	2	4.50		2.50	22.50	
	Short Wall	2	3.40		2.80	19.04	
	Parapet Wall	2	4.50		0.60	5.40	
		2	3.40		0.60	4.08	
	Steps	2	4.00		0.15	1.20	
	Deduction Rooling Shutter	-1	3.00		2.10	-6.30	
	Ventilater	-2	0.90		0.60	-1.08	
	Plinth Long Wall	-2	4.50		0.15	-1.35	
	Short Wall	-2	3.40		0.15	-1.02	
	Lintel Long Wall	-2	4.50		0.20	-1.80	
	Short Wall	-2	3.40		0.20	-1.36	
					Present Qty	**39.31**	
					Limited To Qty	**39.07**	**Sqm**

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
7	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M20 for R.C.C works laid in 15 cms thick layers and well compacted by vibrating, curing, for foundations & sub-structure works with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)						
	For RO Plant						
	Above GroundLevel						
	For Column						
	Upto Roof	4	1.20	1.20	0.50	2.88	
	Above Roof	4	0.45	0.20	3.80	1.37	
	Plinth Beam						
	Long Wall	2	4.50	0.23	0.20	0.41	
	Short Wall	2	3.40	0.23	0.20	0.31	
	Lintel Beam						
	Long Wall (Passage)	2	4.50	0.20	0.15	0.27	
		2	3.40	0.20	0.15	0.20	
	Roof Beam						
	Long Wall	2	4.50	0.20	0.30	0.54	
	Short Wall	2	3.40	0.20	0.30	0.41	
	Roof Slab						
		1	6.10	4.00	0.15	3.66	
					Present Qty	**10.06**	**Cum**

20/4/21

20/4/21

18/5/21

1/6/21

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
8	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 550**						
	Column Footing						
	Column Footing =4No's						
	Main bar 12mm dia bar @ Spacing 125mm c/c						
	0.89kg/mtr	4	30	2.50		0.89	267.00
		4	30	2.50		0.89	267.00
	Column = 4 No's						
	Main bar 12mm dia bar						
	1.58kg/mtr	4	15	1.00		1.58	94.80
	Main bar 12mm dia bar						
	0.89 kg/mtr	4	15	1.00		0.89	53.40
	Stirrups						
	Main bar 8mm dia bar Spacing @125mm c/c						
	0.39kg/mtr	4	16	1.10		0.395	27.81
		4	16	1.10		0.395	27.81
	Plinth Beam						
	Plinth Beam-1						
	Length=4.60 m						
	Main bar 16mm dia bar						
	1.58kg/mtr	2	38	4.60		1.58	552.37
	Length=3.50 m						
	Main bar 12mm dia bar						
	0.89 kg/mtr	2	51	3.50		0.89	317.73
	Stirrups						
	Main bar 8mm dia bar Spacing @150mm c/c						
	0.39kg/mtr	1	14	1.10		0.395	6.00
	Lintel Beam						
	Lintel Beam-1						
	Length=4.60 m						
	Main bar 12mm dia bar						
	0.89 kg/mtr	2	40	4.60		0.89	327.52
	Length=3.50 m						
	Main bar 12mm dia bar						
	0.89 kg/mtr	2	51	3.50		0.89	317.73
	Stirrups						

19/4/21 Received

24/4/21 Received

18/5/21 Received

Received

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Main bar 8mm dia bar Spacing @125mm c/c						
	0.39kg/mtr	1	14	1.10		0.395	6.00
	Roof Beam						
	Length=4.60 m						
	Main bar 12mm dia bar						
	0.89 kg/mtr	2	40	4.60		0.89	327.52
	Length=3.50 m						
	Main bar 12mm dia bar						
	0.89 kg/mtr	2	51	3.50		0.89	317.73
	Stirrups						
	Main bar 8mm dia bar Spacing @125mm c/c						
	0.39kg/mtr	1	12	1.10		0.395	5.13
	Roof Slab						
	Main bar 12mm dia bar @Spacing 125mm c/c						
	0.89kg/mtr	1.00	45	6.20		0.89	248.00
	Distribution 12mm dia bar @Spacing 125mm c/c						
	0.62kg/mtr	1.00	66	4.10		0.89	240.53
						Present Qty	3404.08
						Present Qty	3.40
							Tonne

29/5/21

limited to Est: 2.25

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.						
	For RO Plant						
	For Column Footing						
		4	4.80		0.50	9.60	
		4	1.30		4.00	20.80	
	Plinth	2	4.50		0.30	2.70	
		2	3.40		0.30	2.04	
	Lintels	2	4.50		0.20	1.80	
		2	3.40		0.20	1.36	
	Roof	1	6.10	4.00		24.40	
	Sides	2	6.10		0.15	1.83	
		2	4.00		0.15	1.20	
					Present Qty	**65.73**	**Sqm**

10	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling incluidng rounding off corners wherever required smooth rendering providing and removing scaffolding including cost of materials, labour curing complete as per specification						
	Inside wall	1	4.50		3.00	13.50	
	Out side wall	2	4.90		0.45	4.41	
		1	4.30		0.50	2.15	
		1	4.30		0.75	3.23	
					Present Qty	**23.29**	**Sqm**

11	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications						
	For RO Plant						
	Inside Wall	2	4.50		3.00	27.00	
		2	3.00		3.00	18.00	
	Deduction						
	Door-1	-0.5	3.00		2.10	-3.15	
	Door-2	-1	0.90		0.60	-0.54	
					Present Qty	**41.31**	**Sqm**

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Name Of Contractor		Sri Govind G					
Job Code No		012-19-000015					
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
12	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications						
	For RO Plant						
			Consider Vide Qty No 10+11			64.60	
					Present Qty	**64.60**	**Sqm**
13	:Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.						
	Out Side Wall						
	Long Wall	2	4.90		3.75	36.75	
	Short Wall	2	3.40		3.75	25.50	
	Deduction						
	Door-1	-0.5	3.00		2.10	-3.15	
	Door-2	-1	0.90		0.60	-0.54	
					Present Qty	**58.56**	**Cum**
14	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with **200mm outer dia**						
	For RO Plant						
			Consider Vide Qty No 11+12			105.91	
					Present Qty	**105.91**	**Mtr**
15	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer						
	For RO Plant						
			Consider Vide Qty No 13			58.56	
					Present Qty	**58.56**	**Sqm**
16	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications						
	For RO Plant						
		2.25	6.00		2.10	28.35	
		2.00	0.90		0.60	1.08	
					Present Qty	**29.43**	**Sqm**

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Name Of Contractor		Sri Govind G					
Job Code No		012-19-000015					
Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
17	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete						Executed 21/7/21
	For RO Plant						
	For Flooring						
	Long Wall	1	4.50	3.00		13.50	
	Short Wall	2	4.50		0.10	0.90	
		2	3.00		0.10	0.60	
					Present Qty	**15.00**	**Sqm**
18	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.						Executed 10/7/21
	For RO Plant						
	For Front Side	2	4.30		0.60	5.16	
					Present Qty	**5.16**	**Cum**
19	Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as per specifications						Executed 23/7/21
	For RO Plant						
	Windows	2	0.90		0.60	1.08	
					Present Qty	**1.08**	**Sqm**

Executed
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